

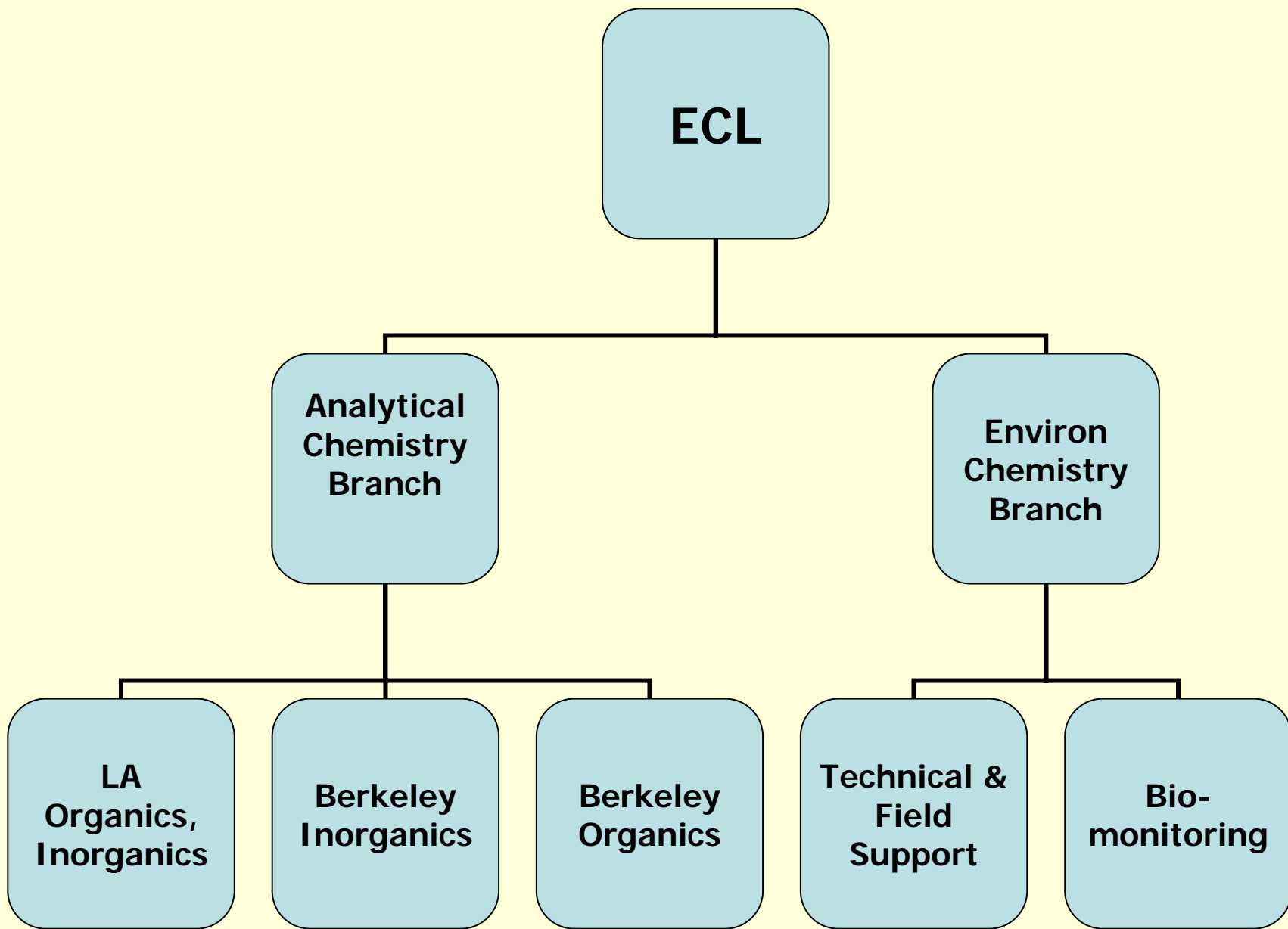
Environmental Chemistry Lab (ECL)

Providing scientific leadership to DTSC and other Cal/EPA programs

- Capable of Analyzing over 2000 Chemicals in:

- air
- soil
- water
- wastes
- products
- human tissues
- wildlife tissues





Environmental Chemistry Laboratory

- Analytical Services
- Special Studies for Regulatory Programs
- Biomonitoring & Environmental Monitoring
- Field Program Support
- Quality Management
- Training



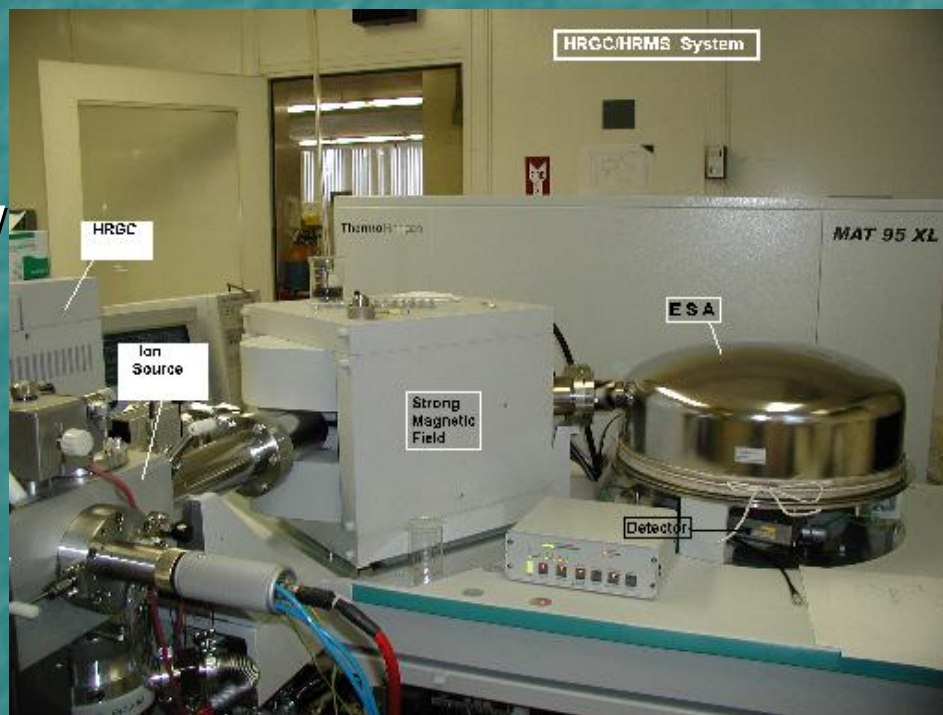
Environmental Chemistry Laboratory

■ Analytical Services

- Organics, Inorganics, Flammability, Corrossivity, Reactivity

- Trace analysis with High Resolution GC/MS for chemicals of emerging concern

- Contract Lab Services



High Resolution GC-MS

ECL - Special Projects for Regulatory Development

- Electronic waste
- Auto Shredder Waste
- Toxics in Packaging and Products
- Treated Wood Waste
- Methamphetamine Drug Lab Waste
- Perchlorate



Ion Chromatograph for Perchlorate Testing

ECL - 20 Years of Leadership in Biomonitoring

- Biomonitoring of Dioxins, PCBs, Pesticides, PBDEs, and Metabolites
- Using Biomonitoring Data to Look Upstream to Identify Sources and Exposure Pathways
- Focused Studies Designed as Basis for Pollution Prevention Activities
- Focused studies on Health Effects of Chemicals of Emerging Concern
- Found Californians as having highest PBDE levels in world
- Found PBDE Levels Increasing Exponentially in California Wildlife

ECL - Mobile Laboratory

- Support for ER, Field Investigations
- Field Portable Instruments (GC/MS, FT-IR, Raman, XRF)
- On-board GC/MS
- Volatile, semi-volatile industrial chemicals, pesticides
- Solids, Liquids, Vapors



ECL - Field Program Support

- Consultation on Sampling and Analytical Methods
- Data Interpretation
- Data validation
- Quality Assurance Project Plans
- Split Sample Testing
- Data Review
- Lab Fraud Investigation
- Support and Training on Field Analytical Instruments

ECL - Training

- Sampling and Analysis Training
- Consultation
- ECL User's Manual and SOPs
- FAQs
- Biweekly seminars

ECL on-line Support

- Users' Manual

http://www.dtsc.ca.gov/AssessingRisk/HML/hml_users_manual.cfm

- Biweekly seminars

<http://www.dtsc.ca.gov/AssessingRisk/upload/ECLSeminars2007.pdf>

- Emerging Chemicals of Concern

<http://www.dtsc.ca.gov/AssessingRisk/EmergingContaminants.cfm>

Contacts

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